

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Withdrawn):

A device (100) for assembling a pneumatic booster (200), characterized by
a fixed cylindrical support (101) whose internal volume (102) is greater than the volume of a cover (203) of the booster, the cover being housed in the support,
a cylindrical cap (104) whose internal volume (107) is greater than the volume of a cylinder (206) of the booster, said cap imposing an axial load on the cylinder, and
at least one set of rollers (109A, 109B), rotated by a motor, the rollers rotating at least partially about the support.

Claim 2 (Withdrawn):

The device according to Claim 1, characterized in that it is furnished with a first set of rollers (109A) and second set of rollers (109B), the two sets of rollers rotating at least partially about the support.

Claim 3 (Withdrawn):

A device according to claim 2, characterized in that it is furnished with a center positioner (106) lying on an upper end (103) of the fixed support, the cover lying on the center positioner, the center positioner having a ring shape, an internal diameter of the center positioner being approximately equal to a diameter of the booster cover.

Claim 4 (Withdrawn):

A device according according to claim 3, characterized in that the first and second rollers are alternated.

Claim 5 (Withdrawn):

A device according to claim 4, characterized in that the first set of rollers is furnished with three rollers, and in that the second set of rollers furnished with three rollers, the first rollers being spaced at 120° from one another, and being spaced at 60° from the second rollers.

Claim 6 (Withdrawn):

A device according to claim 5, characterized in that the first rollers are furnished with a bevel (113A), said bevel having an angle of attack (114A) lying between 115° and 135° , and in that the second rollers are each furnished with a bevel (113B), said bevel having an angle of attack (114B) lying between 80° and 90° .

Claim 7 (Withdrawn):

A device according to Claim 6, characterized in that the angle of attack of the bevels of the first rollers is 120° , and in that the angle of attack of the bevels of the second rollers is 85° .

Claim 8 (Withdrawn):

A device according to claim 7, characterized in that it is furnished with a gearing element (110) driving the rollers in rotation, and in that the gearing element is furnished with two gear wheels, a number of teeth of a first gear wheel (111) of the gearing element, driving in rotation the two sets of rollers about the booster, being different from a number of teeth of a second gear wheel (112) of said gearing element, the second wheel imposing by means of an eccentric (118) an oscillating radial movement of the rollers relative to an axis (C) of the support.

Claims 9-13 (Cancelled)

Claim 14 (New):

A method of swaging a booster, the method comprising
inserting a cover of the booster into a support of a swaging device so that a top end of a wall of the cover rests on a top end of an internal wall of the support,
placing a cylinder of the booster on the cover so that a bottom end of a wall of the cylinder rests on the top end of the wall of the cover,
placing a cap of the swaging device on the support so that a bottom end of the cap compresses the bottom end of the wall of the cylinder onto the top end of the wall of the cover,
using a motor to cause swaging rollers to rotate about the booster, and
continuously swaging the bottom end of the wall of the cylinder onto the top end of the wall of the cover.

Claim 15 (New):

The method according to claim 14, further comprising causing the rollers to move in a radially oscillating manner relative to an axis of the support.

Claim 16 (New):

The method according to claim 15, further comprising using an eccentric driven by a gearing element to cause the rollers to move in a radially oscillating manner relative to an axis of the support.

Claim 17 (New):

The method according to claim 16, further comprising swaging the bottom end of the wall of the cylinder onto the top end of the wall of the cover by successively applying rollers with a first angle of attack and rollers with a second angle of attack, the first angle of attack being greater than the second angle of attack.

Claim 18 (New):

The method according to claim 14, further comprising causing periodic sinusoidal movement of the rollers.

Claim 19 (New):

The method according to claim 18, further comprising pressing the rollers against the booster in a periodic intermittent manner.

Claim 20 (New):

The method according to claim 19, further comprising swaging the bottom end of the wall of the cylinder onto the top end of the wall of the cover by successively applying rollers with a first angle of attack and rollers with a second angle of attack, the first angle of attack being greater than the second angle of attack, wherein the rollers with a first angle of attack and the rollers with a second angle of attack are out of phase, such that the pressure of the rollers with a first angle of attack alternates with the pressure of the rollers with a second angle of attack.

Claim 21 (New):

The method according to claim 14, further comprising holding the booster fixed and causing the rollers to travel around the booster.